| 1. | nd | ex | of | CI | air | ns |  |
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| App | lication | (Contro | No  |
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10/086,036

Examiner

Jude J. Jean-Gilles

Applicant(s)/Patent under Reexamination

BEAN, JAMES

Art Unit

2143

| √  | Rejected |
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| II | Δllowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| 1 | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Ouginal 2 | 9/20/06    |                 |          |          | Date     |          |          |          |          |           | aim      | T 1       |          |          |           | ate      |          | $\overline{}$ | $\overline{}$ | $\neg$         |          | aim        |          | т        | $\neg$    | Dat    |
|-----------------|------------|-----------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|-----------|----------|----------|---------------|---------------|----------------|----------|------------|----------|----------|-----------|--------|
|                 |            |                 |          |          |          |          |          |          |          | Final     | Original |           |          |          |           |          |          |               |               |                | Final    | Original   |          |          |           |        |
| 2               | Ŀ          | П               | $\Box$   |          |          |          |          |          |          |           | 51       |           | $\dashv$ | $\Box$   |           |          |          |               |               |                |          | 101        | $\Box$   |          | Ţ         | 工      |
|                 | <u>  •</u> | Ш               | _        | _        |          |          |          |          | _        |           | 52       |           | _        | _        | _         |          |          | _             |               | _              |          | 102        | _        |          | 4         | 4      |
| 3 4             | -          | $\vdash$        | +        | _        | $\dashv$ |          | _        | $\dashv$ | -        |           | 53       | $\vdash$  |          |          |           |          |          |               |               |                | -        | 103        | $\dashv$ | -        | +         | -      |
| 5               | +-         |                 | +        | $\dashv$ | -        |          | -        | $\vdash$ | -        |           | 54<br>55 | $\vdash$  | $\dashv$ | $\dashv$ |           | $\dashv$ | _        | $\vdash$      |               | -              | -        | 104<br>105 |          | $\dashv$ | +         | +-     |
| 6               | ╁          | -               | $\dashv$ |          |          |          | -        | 1        | $\dashv$ | <u> </u>  | 56       | $\vdash$  | $\dashv$ | -        | $\dashv$  | $\dashv$ | $\vdash$ | -             |               | $\dashv$       |          | 106        | -        | +        | +         | +      |
| 7               | =          | $\vdash$        | ┰        | -        | $\dashv$ |          | _        |          |          |           | 57       | -         | $\dashv$ | $\dashv$ |           | $\dashv$ | -        |               |               | $\dashv$       |          | 107        |          | _        | +         | +      |
| 8               | =          | $\vdash$        | +        | $\dashv$ | $\neg$   | -        |          | $\dashv$ |          |           | 58       | H         | -        | $\dashv$ | -         |          |          |               | -             | $\dashv$       | _        | 108        | $\dashv$ | <b>-</b> | +         | +-     |
| 9               | =          | $\vdash$        | _        | $\dashv$ |          |          | _        | $\dashv$ | _        |           | 59       | $\exists$ | _        | 寸        |           |          |          |               |               | $\dashv$       |          | 109        | $\dashv$ | _        | $\dagger$ | +      |
| 10              | -          | H               | $\dashv$ |          |          |          |          |          | _        | -         | 60       |           | 寸        |          | 一         |          |          |               |               |                |          | 110        |          | 1        | Ť         | $\top$ |
| 11              | 1-         |                 | 一        |          |          |          |          |          |          |           | 61       | $\Box$    | 寸        | ヿ        | ヿ         |          |          |               |               |                |          | 111        | $\Box$   |          |           | $\top$ |
| 12              | -          |                 | 一        |          |          |          |          |          |          |           | 62       |           | T        |          | T         |          |          |               |               | $\neg$         |          | 112        |          |          | T         | $\top$ |
| 13              | T-         | П               | ヿ        |          |          |          |          |          |          |           | 63       |           | $\neg$   |          |           |          |          |               |               |                |          | 113        |          |          | T         | $\top$ |
| 14              | -          |                 |          |          |          |          |          |          |          |           | 64       |           |          |          |           |          |          |               |               |                |          | 114        |          |          |           | 1      |
| 15              | -          |                 |          |          |          |          |          |          |          |           | 65       |           |          |          |           |          |          |               |               |                |          | 115        |          |          | $\perp$   |        |
| 16              | -          | Ш               | _        | _        |          |          |          |          |          |           | 66       |           | _        |          |           |          |          |               |               |                |          | 116        |          |          | $\perp$   |        |
| 17              | -          | Ш               | _        | _        |          |          |          | _        | _        |           | 67       |           | 4        |          | _         |          |          |               |               | _              |          | 117        | _        |          | $\perp$   | $\bot$ |
| 18              | -          | Ш               | _        | _        |          |          | _        | _        | _        |           | 68       | $\dashv$  | _        |          | _         |          |          | _             |               |                |          | 118        | _        |          | 4         | _      |
| 19              | -          |                 | _        |          |          |          |          |          |          |           | 69       |           | _        | 4        | _         |          |          |               |               | _              |          | 119        | _        |          | ┸         | +      |
| 20              | =          | $\vdash \vdash$ | -        | $\dashv$ |          |          | -        | $\dashv$ | _        |           | 70       | $\dashv$  | $\dashv$ | _        | $\dashv$  | _        |          |               |               | _              |          | 120        | $\dashv$ | _        | +         | +      |
| 21              | =          | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          |          | -        | $\dashv$ | -        |           | 71       |           | -        |          |           |          |          |               |               | _              |          | 121        | $\dashv$ |          | -         |        |
| 22              | =          | $\vdash$        | $\dashv$ |          |          |          |          |          | -        |           | 72<br>73 |           | $\dashv$ | $\dashv$ | $\dashv$  |          | -        |               | -             | $\dashv$       | $\vdash$ | 122<br>123 | $\dashv$ | -        | +         | +      |
| 23              | =          | $\vdash$        | $\dashv$ | -        |          |          |          |          |          | -         | 74       | $\dashv$  | $\dashv$ |          | $\dashv$  | $\dashv$ | -        | _             |               | $\dashv$       | -        | 123        |          | +        | +         | +      |
| 25              | ╘          | $\vdash$        | +        | $\dashv$ |          | $\dashv$ | $\dashv$ |          |          |           | 75       |           | -+       |          | $\dashv$  |          |          | -             |               | $\dashv$       | -        | 125        | -        |          | ┿         | +      |
| 26              | =          | $\vdash$        | $\dashv$ | $\dashv$ |          |          |          | -        | -        |           | 76       | $\vdash$  | $\dashv$ |          | $\dashv$  | $\dashv$ |          |               |               | $\dashv$       | -        | 126        | -        | $\dashv$ | +         | +-     |
| 27              | +          | $\vdash$        | $\dashv$ | $\dashv$ |          |          |          |          | $\dashv$ |           | 77       | _         | _        | -        |           | -        |          |               |               | <del>,  </del> | -        | 127        | $\dashv$ | _        | 十         | +      |
| 28              | 1          | $\vdash$        | $\dashv$ | 寸        |          |          |          | _        | _        |           | 78       |           | _        | _        |           | _        |          | _             |               | $\dashv$       |          | 128        |          |          | +         | +      |
| 29              |            | $\vdash$        | $\dashv$ | 一        |          |          |          |          | ┪        | -         | 79       |           | 寸        | 1        |           |          |          |               |               | $\dashv$       |          | 129        |          |          | Ť         | 十      |
| 30              |            |                 | $\neg$   |          |          |          |          |          |          |           | 80       | $\Box$    | $\neg$   |          |           |          |          |               |               |                |          | 130        | $\Box$   | $\top$   | $\top$    | $\top$ |
| 31              | П          |                 | $\neg$   |          |          |          |          |          |          |           | 81       |           | $\neg$   |          |           |          |          |               |               | $\neg$         |          | 131        |          |          | T         | $\top$ |
| 32              |            |                 |          |          |          |          |          |          |          |           | 82       |           |          |          |           |          |          |               |               |                |          | 132        |          |          |           |        |
| 33              |            |                 |          |          |          |          |          |          |          |           | 83       |           |          |          |           |          |          |               |               |                |          | 133        |          |          |           |        |
| 34              | L          |                 |          |          |          |          |          |          |          |           | 84       |           |          | _        |           |          |          |               |               |                |          | 134        |          |          | ┸         |        |
| 35              |            |                 |          |          |          |          |          |          | _        |           | 85       |           |          |          |           |          |          |               |               | _              |          | 135        |          |          | $\perp$   | _      |
| 36              | 1          |                 | _        | _        |          |          |          | $\perp$  |          |           | 86       |           | _        | _        |           | _        |          |               |               |                |          | 136        | $\perp$  |          | $\perp$   |        |
| 37              | <u> </u>   | $\perp$         | _        | $\dashv$ |          |          | _        |          | _        |           | 87       | $\dashv$  | _        |          |           | _        |          |               |               | _              |          | 137        |          |          | 1         | $\bot$ |
| 38              | ↓_         | $\sqcup \bot$   | _        | _        |          |          |          | 4        |          |           | 88       | $\Box$    | -        | $\dashv$ | _         | $\dashv$ |          |               |               | -              | <u> </u> | 138        |          |          | +         | 4      |
| 39              | -          | $\vdash$        | $\dashv$ | 4        |          | -        | -        | $\dashv$ | 4        |           | 89       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$  |          |          | _             |               |                |          | 139        | -        | +        | +         | +      |
| 40              | ┢          | ⊣               |          | -        | -        | _        |          | _        | 4        |           | 90<br>91 | $\dashv$  | -        |          |           | $\dashv$ | _        |               |               |                |          | 140<br>141 | $\dashv$ | -        | +-        | ┿      |
| 41              | +          | $\vdash$        | +        |          |          |          | _        |          | -        |           | 92       | $\vdash$  | -        |          |           | -        | -        | _             |               | -              |          | 142        | -        | +        | +         | +      |
| 43              | ┼          | $\vdash$        | $\dashv$ | -        | $\dashv$ | -        |          | $\dashv$ | $\dashv$ |           | 93       |           |          | $\dashv$ |           | $\dashv$ |          |               | -             | $\dashv$       | <u> </u> | 143        | $\vdash$ | +        | +         | +      |
| 44              | ╁          | H               | +        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | <u> </u>  | 94       | $\vdash$  | $\dashv$ | $\dashv$ | -         | -        | $\vdash$ |               | $\vdash$      | $\dashv$       |          | 144        | $\vdash$ | +        | +         | +      |
| 45              | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | -        | $\dashv$ | $\dashv$ |           | 95       | $\vdash$  | $\dashv$ | _        | -         | $\dashv$ | $\vdash$ |               | $\vdash$      | $\dashv$       | <b> </b> | 145        | $\dashv$ | +        | +         | +      |
| 46              | $\vdash$   | $\forall$       | $\dashv$ | -        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | <b>—</b>  | 96       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$ | -             | Н             | $\neg$         | <u> </u> | 146        | $\vdash$ | +        | +         | +      |
| 47              | <b>†</b>   | $\vdash \vdash$ | $\dashv$ |          |          | H        | $\dashv$ | 1        | _        |           | 97       | -         | $\dashv$ | $\dashv$ |           | $\neg$   |          |               |               | $\dashv$       |          | 147        | $\vdash$ | -        | +         | +      |
| 48              | $\vdash$   | $\Box$          | $\dashv$ |          | $\dashv$ |          | _        |          | $\dashv$ | <b>——</b> | 98       | $\Box$    | $\dashv$ | $\dashv$ | $\neg$    | $\neg$   |          |               |               |                |          | 148        | $\Box$   | $\top$   | †         | $\top$ |
| 49              | Г          | П               | 7        |          | $\neg$   | $\neg$   |          |          | 7        |           | 99       | $\Box$    | 寸        | T        | $\exists$ |          |          |               |               | •              |          | 149        |          |          | $\top$    |        |
| 50              | Ι          |                 |          |          |          |          |          |          |          |           | 100      |           |          |          |           |          |          |               |               |                |          | 150        |          |          | I         | I      |

| Claim |                                 | Date     |          |          |   |                                     |          |              |          |                 |  |  |
|-------|---------------------------------|----------|----------|----------|---|-------------------------------------|----------|--------------|----------|-----------------|--|--|
| Final | Original                        |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 101                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 102<br>103                      |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 103                             | _        |          |          |   |                                     |          |              |          |                 |  |  |
|       | 104<br>105                      | _        | _        | _        |   |                                     |          | _            |          |                 |  |  |
|       | 105                             |          |          |          |   |                                     |          |              |          | _               |  |  |
|       | 106                             |          |          | _        |   |                                     | <u> </u> |              |          | Ш               |  |  |
|       | 107<br>108                      |          | _        |          |   | -                                   | -        | _            | _        | -               |  |  |
|       | 109                             | _        | _        |          |   | -                                   | _        | _            | -        | $\dashv$        |  |  |
|       | 110                             |          |          |          | - | -                                   | -        | _            |          | -               |  |  |
|       | 111                             |          |          |          | _ |                                     | _        |              | _        | $\dashv$        |  |  |
|       | 110<br>111<br>112               |          |          |          | _ | $\vdash$                            |          |              |          | $\dashv$        |  |  |
|       | 113                             |          |          |          |   |                                     |          |              |          | $\dashv$        |  |  |
|       | 113<br>114<br>115<br>116<br>117 |          |          |          |   | П                                   |          |              |          | Н               |  |  |
|       | 115                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 116                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 117                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 118<br>119                      |          |          |          |   |                                     |          |              |          | Ш               |  |  |
|       | 119                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 120                             |          |          |          |   | _                                   |          |              |          | Ш               |  |  |
|       | 121<br>122                      |          |          |          |   |                                     |          |              |          | -               |  |  |
|       | 122                             |          |          |          |   |                                     |          | $\vdash$     |          | Н               |  |  |
|       | 123                             |          | _        | _        | _ | _                                   | _        |              |          | $\dashv$        |  |  |
|       | 124<br>125                      |          | -        |          |   | _                                   |          | _            | _        | $\dashv$        |  |  |
|       | 125                             |          | H        | _        |   |                                     | ļ        |              |          | -               |  |  |
|       | 126<br>127                      |          | -        |          | - | -                                   | -        |              |          |                 |  |  |
|       | 128                             |          |          |          |   | _                                   | -        |              | -        | $\dashv$        |  |  |
|       | 129                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 129<br>130<br>131               |          |          |          |   |                                     | _        |              |          |                 |  |  |
|       | 131                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 132<br>133                      |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 133                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 134                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 135                             |          |          | L.       |   |                                     | <u> </u> |              | Ш        |                 |  |  |
|       | 136                             |          | _        | <u> </u> | _ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | $oxed{oxed}$ | L.,      | Щ               |  |  |
|       | 137                             |          | <u> </u> | _        |   | $oxed{oxed}$                        | _        | $\vdash$     | Ш        | Ш               |  |  |
|       | 138                             |          | _        |          |   | <u> </u>                            | _        |              | $\vdash$ | $\vdash$        |  |  |
|       | 139                             |          | _        | $\vdash$ |   | $\vdash$                            | _        | $\vdash$     | $\vdash$ |                 |  |  |
|       | 140<br>141                      |          | <b>-</b> | ⊢        |   |                                     | -        | -            | <u> </u> | $\vdash$        |  |  |
|       | 142                             |          | -        | <u> </u> | - | -                                   |          | $\vdash$     | $\vdash$ | $\vdash$        |  |  |
|       | 143                             |          |          | $\vdash$ | _ | -                                   |          | -            | $\vdash$ | $\vdash$        |  |  |
|       | 144                             | $\vdash$ |          | $\vdash$ | _ | $\vdash$                            | -        | $\vdash$     | $\vdash$ | $\vdash \vdash$ |  |  |
|       | 145                             |          |          | ┢        | _ |                                     |          |              | $\vdash$ | $\vdash$        |  |  |
|       | 146                             |          |          |          | - |                                     |          |              | Н        | $\vdash \vdash$ |  |  |
|       | 147                             |          | _        |          |   |                                     |          |              | Г        | $\sqcap$        |  |  |
|       | 148                             |          | Т        | Г        | Т |                                     |          |              |          | $\Box$          |  |  |
|       | 149                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       | 150                             |          |          |          |   |                                     |          |              |          |                 |  |  |
|       |                                 |          |          |          |   |                                     |          |              |          |                 |  |  |